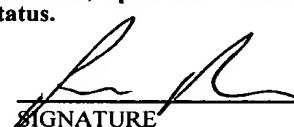


FORM PTO-1390 (Modified) (REV 11-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES		DESIGNATED/ELECTED OFFICE (DO/EO/US)		A312 PCT USA
CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR
INTERNATIONAL APPLICATION NO. PCT/US97/19207		INTERNATIONAL FILING DATE 24 October 1997		09/530085
TITLE OF INVENTION		TRANSMISSION CONTROL FOR MINIMIZING CONGESTION IN DIGITAL COMMUNICATIONS NETWORKS		
APPLICANT(S) FOR DO/EO/US JACOBS, Stephen and ELEFTHERIADIS, Alexandros				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ol style="list-style-type: none"> <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 				
Items 13 to 20 below concern document(s) or information included:				
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail <input checked="" type="checkbox"/> Other items or information: 				
<p>Forms PCT/IB/301/308/332; Form PCT/ISA/220; Forms PCT/IPEA/401/402/416; Form PCT/IPEA/408, response to Written Opinion, a postcard, and a check in the amount of \$958.</p> <p>Express Mail No. EJ339571965US DAte of Deposit: April 20, 2000</p>				

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/5300	INTERNATIONAL APPLICATION NO. PCT/US97/19207	ATTORNEY'S DOCKET NUMBER A-31222-PCT USA																																																																										
CALCULATIONS PTO USE ONLY																																																																												
<p>21. The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 85%; vertical-align: top;"> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO</td> <td style="width: 15%; text-align: right;">\$970.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO</td> <td style="text-align: right;">\$840.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO</td> <td style="text-align: right;">\$690.00</td> </tr> <tr> <td><input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right;">\$670.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right;">\$96.00</td> </tr> </table> <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 85%; text-align: right;">\$670.00</td> <td style="width: 15%;"></td> </tr> </table> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 85%; text-align: right;"><input type="checkbox"/> 20 <input type="checkbox"/> 30</td> <td style="width: 15%; text-align: right;">\$0.00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 85%;">CLAIMS</td> <td style="width: 15%; text-align: right;">NUMBER FILED</td> </tr> <tr> <td>Total claims</td> <td style="text-align: right;">36 - 20 =</td> </tr> <tr> <td>Independent claims</td> <td style="text-align: right;">3 - 3 =</td> </tr> <tr> <td colspan="2" style="text-align: center;">NUMBER EXTRA</td> </tr> <tr> <td></td> <td style="text-align: right;">16</td> </tr> <tr> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td colspan="2" style="text-align: center;">RATE</td> </tr> <tr> <td></td> <td style="text-align: right;">x \$18.00</td> </tr> <tr> <td></td> <td style="text-align: right;">\$288.00</td> </tr> <tr> <td></td> <td style="text-align: right;">x \$78.00</td> </tr> <tr> <td></td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Multiple Dependent Claims (check if applicable).</td> </tr> <tr> <td colspan="2" style="text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$958.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).</td> </tr> <tr> <td colspan="2" style="text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$958.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="2" style="text-align: right;"><input type="checkbox"/> 20 <input type="checkbox"/> 30</td> </tr> <tr> <td colspan="2" style="text-align: right;">+</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL NATIONAL FEE =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$958.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).</td> </tr> <tr> <td colspan="2" style="text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$958.00</td> </tr> <tr> <td colspan="2" style="text-align: right; vertical-align: bottom;"> Amount to be: refunded \$ charged \$ </td> </tr> </table> <p><input checked="" type="checkbox"/> A check in the amount of \$958.00 to cover the above fees is enclosed.</p> <p><input type="checkbox"/> Please charge my Deposit Account No. 02-4377 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 02-4377 A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin-left: 10px;"> <p>Henry Tang Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112-0228</p> </div> <div style="text-align: right; margin-right: 10px;">  SIGNATURE </div> <div style="margin-left: 10px;"> <p>Paul A. Ragusa NAME 38,587 REGISTRATION NUMBER 19 April 2000 DATE</p> </div>			<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$970.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$840.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$690.00	<input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$670.00	<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)	\$96.00	\$670.00		<input type="checkbox"/> 20 <input type="checkbox"/> 30	\$0.00	CLAIMS	NUMBER FILED	Total claims	36 - 20 =	Independent claims	3 - 3 =	NUMBER EXTRA			16		0	RATE			x \$18.00		\$288.00		x \$78.00		\$0.00	Multiple Dependent Claims (check if applicable).		<input type="checkbox"/>		TOTAL OF ABOVE CALCULATIONS =		\$958.00		Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).		<input type="checkbox"/>		SUBTOTAL =		\$958.00		Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30		+		\$0.00		TOTAL NATIONAL FEE =		\$958.00		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).		<input type="checkbox"/>		TOTAL FEES ENCLOSED =		\$958.00		Amount to be: refunded \$ charged \$ 	
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$970.00																																																																											
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$840.00																																																																											
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$690.00																																																																											
<input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$670.00																																																																											
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)	\$96.00																																																																											
\$670.00																																																																												
<input type="checkbox"/> 20 <input type="checkbox"/> 30	\$0.00																																																																											
CLAIMS	NUMBER FILED																																																																											
Total claims	36 - 20 =																																																																											
Independent claims	3 - 3 =																																																																											
NUMBER EXTRA																																																																												
	16																																																																											
	0																																																																											
RATE																																																																												
	x \$18.00																																																																											
	\$288.00																																																																											
	x \$78.00																																																																											
	\$0.00																																																																											
Multiple Dependent Claims (check if applicable).																																																																												
<input type="checkbox"/>																																																																												
TOTAL OF ABOVE CALCULATIONS =																																																																												
\$958.00																																																																												
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).																																																																												
<input type="checkbox"/>																																																																												
SUBTOTAL =																																																																												
\$958.00																																																																												
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).																																																																												
<input type="checkbox"/> 20 <input type="checkbox"/> 30																																																																												
+																																																																												
\$0.00																																																																												
TOTAL NATIONAL FEE =																																																																												
\$958.00																																																																												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).																																																																												
<input type="checkbox"/>																																																																												
TOTAL FEES ENCLOSED =																																																																												
\$958.00																																																																												
Amount to be: refunded \$ charged \$ 																																																																												

09/53085
4105 c'd PCT/PTO 20 APR 2000

A31222-PCT USA 070050.1227

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

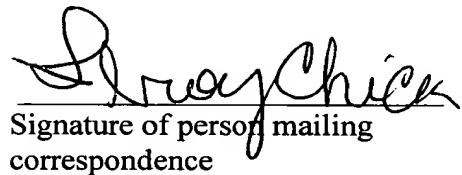
Applicant : JACOBS, Stephen et al
Serial No. : To be assigned
Filed : October 24, 1997
For : TRANSMISSION CONTROL FOR MINIMIZING
CONGESTION IN DIGITAL COMMUNICATIONS
NETWORK

EXPRESS MAIL CERTIFICATION

Express Mail Mailing No. EJ339571965US

Date of Deposit - April 20, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to: Box PCT, Assistant Commissioner for Patents, Washington, D.C., 20231.


Signature of person mailing correspondence

Name of person mailing correspondence: Leroy Chick